WHAT IS CLAIMED IS:

1   1.   A method comprising:

2   retrieving an infrastructure configuration profile;

3   retrieving an adhoc configuration profile;

4   establishing an infrastructure network connection
5   corresponding to the infrastructure configuration
6   profile using a wireless device; and

7   maintaining the infrastructure network connection
8   while concurrently communicating over an adhoc network
9   corresponding to the adhoc configuration profile using
10   the wireless device.

1   2.   The method of claim 1 further comprising:
2   setting a watchdog timer;

3   selecting an infrastructure mode, the infrastructure
4   mode corresponding to the infrastructure configuration
5   profile;

6   detecting the expiration of the watchdog timer;

7   deselecting the infrastructure mode in response to the
8   detecting; and

9   selecting an adhoc mode, the adhoc mode corresponding
10   to the adhoc configuration profile.

1   3.   The method of claim 2 further comprising:
2   using an infrastructure device driver to maintain the
3   infrastructure network connection while in
4   infrastructure mode;

5   using an adhoc device driver to communicate over the
6   adhoc network while in adhoc mode;

7   using a code shim as an infrastructure virtual device
8   driver while in adhoc mode; and

9   using the code shim as an adhoc virtual device driver
10   while in infrastructure mode.

1   4. The method of claim 1 wherein communicating over the
2   adhoc network is performed while the wireless device's
3   infrastructure network connection is idle.

1   5. The method of claim 1 further comprising:
2   retrieving a configuration mode bit; and

3   identifying that the configuration bit corresponds to
4   a dual mode.

1   6. The method of claim 1 further comprising:
2   polling a plurality of device drivers;

3   identifying that one of the plurality of device
4   drivers is in a ready state in response to the
5   polling; and

6   using the identified device driver to transfer data.

1   7. The method as described in claim 6 wherein the
2   identified device driver is selected from the group
3   consisting of an infrastructure device driver and an
4   adhoc device driver.

1   8. An information handling system comprising:
2   one or more processors;

3   a memory accessible by the processors;

4   one or more nonvolatile storage devices accessible by
5   the processors; and

6   a wireless communication tool for concurrently
7   communicating with a plurality of wireless networks,
8   the wireless communication tool comprising software
9   code effective to:

10   retrieve an infrastructure configuration
11   profile from one of the nonvolatile storage
12   devices;

13   retrieve an adhoc configuration profile from
14   one of the nonvolatile storage devices;

15   establish an infrastructure network
16   connection corresponding to the
17   infrastructure configuration profile using a
18   wireless device; and

19   maintain the infrastructure network
20   connection while concurrently communicating
21   over an adhoc network corresponding to the
22   adhoc configuration profile using the
23   wireless device.

1   9.   The information handling system of claim 8 wherein the
2   software code is further effective to:
3   set a watchdog timer;

4   select an infrastructure mode, the infrastructure mode
5   corresponding to the infrastructure configuration
6   profile;

7   detect the expiration of the watchdog timer;

8   deselect the infrastructure mode in response to the
9   detecting; and

10   select an adhoc mode, the adhoc mode corresponding to
11   the adhoc configuration profile.

1   10.   The information handling system of claim 9 wherein the
2   software code is further effective to:
3   use an infrastructure device driver to maintain the
4   infrastructure network connection while in
5   infrastructure mode;

6   use an adhoc device driver to communicate over the
7   adhoc network while in adhoc mode;

8   use a code shim as an infrastructure virtual device
9   driver while in adhoc mode; and

10   use the code shim as an adhoc virtual device driver
11   while in infrastructure mode.

1   11.   The information handling system of claim 8 wherein
2   communicating over the adhoc network is performed
3   while the wireless device's infrastructure network
4   connection is idle.

1   12.   The information handling system of claim 8 wherein the
2   software code is further effective to:
3   retrieve a configuration mode bit from one of the
4   nonvolatile storage devices; and

5   identify that the configuration bit corresponds to a
6   dual mode.

1 13. The information handling system of claim 8 wherein the
2   software code is further effective to:
3   poll a plurality of device drivers;

4   identify that one of the plurality of device drivers
5   is in a ready state in response to the polling; and

6   use the identified device driver to transfer data.

1 14. A program product comprising:
2   computer operable medium having computer program code,
3   the computer program code being effective to:

4   retrieve an infrastructure configuration
5   profile;

6   retrieve an adhoc configuration profile;

7   establish an infrastructure network
8   connection corresponding to the
9   infrastructure configuration profile using a
10   wireless device;

11   maintain the infrastructure network
12   connection while concurrently communicating
13   over an adhoc network corresponding to the
14   adhoc configuration profile using the
15   device.

1 15. The program product of claim 14 wherein the software
2   code is further effective to:
3   set a watchdog timer;

4   select an infrastructure mode, the infrastructure mode
5   corresponding to the infrastructure configuration
6   profile;

7   detect the expiration of the watchdog timer;

8   deselect the infrastructure mode in response to the
9   detecting; and

10   select an adhoc mode, the adhoc mode corresponding to
11   the adhoc configuration profile.

1   16.   The program product of claim 15 wherein the software
2   code is further effective to:
3   use an infrastructure device driver to maintain the
4   infrastructure network connection while in
5   infrastructure mode;

6   use an adhoc device driver to communicate over the
7   adhoc network while in adhoc mode;

8   use a code shim as an infrastructure virtual device
9   driver while in adhoc mode; and

10   use the code shim as an adhoc virtual device driver
11   while in infrastructure mode.

1   17.   The program product of claim 14 wherein communicating
2   over the adhoc network is performed while the wireless
3   device's infrastructure network connection is idle.

1   18.   The program product of claim 14 wherein the software
2   code is further effective to:
3   retrieve a configuration mode bit; and

4   identify that the configuration bit corresponds to a

5   dual mode.

1   19.   The program product of claim 14 wherein the software

2   code is further effective to:

3   poll a plurality of device drivers;

4   identify that one of the plurality of device drivers

5   is in a ready state in response to the polling; and

6   use the identified device driver to transfer data.

1   20.   The program product as described in claim 19 wherein

2   the identified device driver is selected from the

3   group consisting of an infrastructure device driver

4   and an adhoc device driver.